

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013469**Date Inspected:** 27-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Jim Bowers**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girders (OBG)**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI accompanied the Caltrans Construction group and assisted in performing the post arrival inspection of the Orthotropic Box Girder (OBG) segment 5E. At the beginning of the inspection, the QAI was informed that due to the inclement weather, the deck and upper connection areas will not be accessible. The QAI made observations of the lower exterior contact points between the OBG and the sea fasteners along lines E3 and E4. The QAI reviewed the shipping / fastening plan and noted where the shoring, longitudinal sea fasteners and lateral sea fasteners made contact with the bottom and side plates of the OBG. The QAI observed general marring to the finish of the final coating of paint at these locations. The QAI also observed where the longitudinal diaphragms connected to the sea fasteners. The QAI noted that there did not appear to be damage to the OBG from the sea fasteners. See the attached photos. The QAI relayed this information to the QAI Lead Bill Levell and the Associate Steel Inspector Jason Gramlick. See the attached photos.

The QAI made observations of the 2nd shipment of orthotropic box girder (OBG) components including segment 5E, 6E, 5W and their associated cross beams. The QAI noted that the components have been loaded onto barges for job site storage. The QAI observed ABF personnel in the process of removing the type C and type G temporary shoring from the OBG segments. The QAI also noted that ABG personnel are staging equipment and parts in the OBG segments in preparation for the eventual erection and field splice welding. The QAI noted that the post arrival inspections have not been performed at this time. The QAI reviewed the punch list and associated shipping information that will be checked during the inspection.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

The QAI relayed the above mentioned observations to the QAI Lead Bill Levell. There were no other notable conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mohammad Fatemi, (916)813-3677, who represents the Office of Structural Materials for your project.

Inspected By: Croff, Scott

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer